

Thermoelement Typ K

(Thermospannung in mV, bezogen auf eine Vergleichsstellentemperatur von 0°C)

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -270 | -6,458 | -6,457 | -6,456 | -6,455 | -6,453 | -6,452 | -6,450 | -6,448 | -6,446 | -6,444 | -6,441 |
| -260 | -6,441 | -6,438 | -6,435 | -6,432 | -6,429 | -6,425 | -6,421 | -6,417 | -6,413 | -6,408 | -6,404 |
| -250 | -6,404 | -6,399 | -6,393 | -6,388 | -6,382 | -6,377 | -6,370 | -6,364 | -6,358 | -6,351 | -6,344 |
| -240 | -6,344 | -6,337 | -6,329 | -6,322 | -6,314 | -6,306 | -6,297 | -6,289 | -6,280 | -6,271 | -6,262 |
| -230 | -6,262 | -6,252 | -6,243 | -6,233 | -6,223 | -6,213 | -6,202 | -6,192 | -6,181 | -6,170 | -6,158 |
| -220 | -6,158 | -6,147 | -6,135 | -6,123 | -6,111 | -6,099 | -6,087 | -6,074 | -6,061 | -6,048 | -6,035 |
| -210 | -6,035 | -6,021 | -6,007 | -5,994 | -5,980 | -5,965 | -5,951 | -5,936 | -5,922 | -5,907 | -5,891 |
| -200 | -5,891 | -5,876 | -5,861 | -5,845 | -5,829 | -5,813 | -5,797 | -5,780 | -5,763 | -5,747 | -5,730 |
| -190 | -5,730 | -5,713 | -5,695 | -5,678 | -5,660 | -5,642 | -5,624 | -5,606 | -5,588 | -5,569 | -5,550 |
| -180 | -5,550 | -5,531 | -5,512 | -5,493 | -5,474 | -5,454 | -5,435 | -5,415 | -5,395 | -5,374 | -5,354 |
| -170 | -5,354 | -5,333 | -5,313 | -5,292 | -5,271 | -5,250 | -5,228 | -5,207 | -5,185 | -5,163 | -5,141 |
| -160 | -5,141 | -5,119 | -5,097 | -5,074 | -5,052 | -5,029 | -5,006 | -4,983 | -4,960 | -4,936 | -4,913 |
| -150 | -4,913 | -4,889 | -4,865 | -4,841 | -4,817 | -4,793 | -4,768 | -4,744 | -4,719 | -4,694 | -4,669 |
| -140 | -4,669 | -4,644 | -4,618 | -4,593 | -4,567 | -4,542 | -4,516 | -4,490 | -4,463 | -4,437 | -4,411 |
| -130 | -4,411 | -4,384 | -4,357 | -4,330 | -4,303 | -4,276 | -4,249 | -4,221 | -4,194 | -4,166 | -4,138 |
| -120 | -4,138 | -4,110 | -4,082 | -4,054 | -4,025 | -3,997 | -3,968 | -3,939 | -3,911 | -3,882 | -3,852 |
| -110 | -3,852 | -3,823 | -3,794 | -3,764 | -3,734 | -3,705 | -3,675 | -3,645 | -3,614 | -3,584 | -3,554 |
| -100 | -3,554 | -3,523 | -3,492 | -3,462 | -3,431 | -3,400 | -3,368 | -3,337 | -3,306 | -3,274 | -3,243 |
| -90 | -3,243 | -3,211 | -3,179 | -3,147 | -3,115 | -3,083 | -3,050 | -3,018 | -2,986 | -2,953 | -2,920 |
| -80 | -2,920 | -2,887 | -2,854 | -2,821 | -2,788 | -2,755 | -2,721 | -2,688 | -2,654 | -2,620 | -2,587 |
| -70 | -2,587 | -2,553 | -2,519 | -2,485 | -2,450 | -2,416 | -2,382 | -2,347 | -2,312 | -2,278 | -2,243 |
| -60 | -2,243 | -2,208 | -2,173 | -2,138 | -2,103 | -2,067 | -2,032 | -1,996 | -1,961 | -1,925 | -1,889 |
| -50 | -1,889 | -1,854 | -1,818 | -1,782 | -1,745 | -1,709 | -1,673 | -1,637 | -1,600 | -1,564 | -1,527 |
| -40 | -1,527 | -1,490 | -1,453 | -1,417 | -1,380 | -1,343 | -1,305 | -1,268 | -1,231 | -1,194 | -1,156 |
| -30 | -1,156 | -1,119 | -1,081 | -1,043 | -1,006 | -0,968 | -0,930 | -0,892 | -0,854 | -0,816 | -0,778 |
| -20 | -0,778 | -0,739 | -0,701 | -0,663 | -0,624 | -0,586 | -0,547 | -0,508 | -0,470 | -0,431 | -0,392 |
| -10 | -0,392 | -0,353 | -0,314 | -0,275 | -0,236 | -0,197 | -0,157 | -0,118 | -0,079 | -0,039 | 0,000 |
| 0 | 0,000 | 0,075 | 0,114 | 0,154 | 0,193 | 0,233 | 0,273 | 0,313 | 0,352 | 0,392 | 0,432 |
| 10 | 0,432 | 0,472 | 0,512 | 0,552 | 0,592 | 0,632 | 0,672 | 0,713 | 0,753 | 0,793 | 0,833 |
| 20 | 0,833 | 0,874 | 0,914 | 0,954 | 0,995 | 1,035 | 1,076 | 1,117 | 1,157 | 1,198 | 1,238 |
| 30 | 1,238 | 1,279 | 1,320 | 1,361 | 1,402 | 1,442 | 1,483 | 1,524 | 1,565 | 1,606 | 1,647 |
| 40 | 1,647 | 1,688 | 1,729 | 1,770 | 1,811 | 1,852 | 1,893 | 1,935 | 1,976 | 2,017 | 2,058 |

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 50 | 2,058 | 2,100 | 2,141 | 2,182 | 2,223 | 2,265 | 2,306 | 2,347 | 2,389 | 2,430 | 2,472 |
| 60 | 2,472 | 2,513 | 2,555 | 2,596 | 2,637 | 2,679 | 2,720 | 2,762 | 2,803 | 2,845 | 2,886 |
| 70 | 2,886 | 2,928 | 2,970 | 3,011 | 3,053 | 3,094 | 3,136 | 3,177 | 3,219 | 3,260 | 3,302 |
| 80 | 3,302 | 3,343 | 3,385 | 3,426 | 3,468 | 3,510 | 3,551 | 3,593 | 3,634 | 3,676 | 3,717 |
| 90 | 3,717 | 3,759 | 3,800 | 3,842 | 3,883 | 3,924 | 3,966 | 4,007 | 4,049 | 4,090 | 4,131 |
| 100 | 4,131 | 4,173 | 4,214 | 4,255 | 4,297 | 4,338 | 4,379 | 4,421 | 4,462 | 4,503 | 4,544 |
| 110 | 4,544 | 4,585 | 4,627 | 4,668 | 4,709 | 4,750 | 4,791 | 4,832 | 4,873 | 4,914 | 4,955 |
| 120 | 4,955 | 4,996 | 5,037 | 5,078 | 5,119 | 5,160 | 5,200 | 5,241 | 5,282 | 5,323 | 5,364 |
| 130 | 5,364 | 5,404 | 5,445 | 5,486 | 5,526 | 5,567 | 5,608 | 5,648 | 5,689 | 5,729 | 5,770 |
| 140 | 5,770 | 5,810 | 5,851 | 5,891 | 5,932 | 5,972 | 6,012 | 6,053 | 6,093 | 6,133 | 6,174 |
| 150 | 6,174 | 6,214 | 6,254 | 6,294 | 6,335 | 6,375 | 6,415 | 6,455 | 6,495 | 6,535 | 6,575 |
| 160 | 6,575 | 6,616 | 6,656 | 6,696 | 6,736 | 6,776 | 6,816 | 6,856 | 6,896 | 6,936 | 6,976 |
| 170 | 6,976 | 7,016 | 7,056 | 7,096 | 7,136 | 7,176 | 7,216 | 7,255 | 7,295 | 7,335 | 7,375 |
| 180 | 7,375 | 7,415 | 7,455 | 7,495 | 7,535 | 7,575 | 7,615 | 7,655 | 7,695 | 7,734 | 7,774 |
| 190 | 7,774 | 7,814 | 7,854 | 7,894 | 7,934 | 7,974 | 8,014 | 8,054 | 8,094 | 8,134 | 8,174 |
| 200 | 8,174 | 8,214 | 8,254 | 8,294 | 8,334 | 8,374 | 8,414 | 8,454 | 8,494 | 8,534 | 8,574 |
| 210 | 8,574 | 8,614 | 8,654 | 8,694 | 8,734 | 8,774 | 8,814 | 8,855 | 8,895 | 8,935 | 8,975 |
| 220 | 8,975 | 9,015 | 9,056 | 9,096 | 9,136 | 9,176 | 9,217 | 9,257 | 9,297 | 9,338 | 9,378 |
| 230 | 9,378 | 9,418 | 9,459 | 9,499 | 9,539 | 9,580 | 9,620 | 9,661 | 9,701 | 9,742 | 9,782 |
| 240 | 9,782 | 9,823 | 9,863 | 9,904 | 9,945 | 9,985 | 10,026 | 10,067 | 10,107 | 10,148 | 10,189 |
| 250 | 10,189 | 10,229 | 10,270 | 10,311 | 10,352 | 10,392 | 10,433 | 10,474 | 10,515 | 10,556 | 10,597 |
| 260 | 10,597 | 10,637 | 10,678 | 10,719 | 10,760 | 10,801 | 10,842 | 10,883 | 10,924 | 10,965 | 11,006 |
| 270 | 11,006 | 11,047 | 11,088 | 11,129 | 11,170 | 11,212 | 11,253 | 11,294 | 11,335 | 11,376 | 11,417 |
| 280 | 11,417 | 11,459 | 11,500 | 11,541 | 11,582 | 11,623 | 11,665 | 11,706 | 11,747 | 11,789 | 11,830 |
| 290 | 11,830 | 11,871 | 11,913 | 11,954 | 11,995 | 12,037 | 12,078 | 12,119 | 12,161 | 12,202 | 12,244 |
| 300 | 12,244 | 12,285 | 12,327 | 12,368 | 12,410 | 12,451 | 12,493 | 12,534 | 12,576 | 12,617 | 12,659 |
| 310 | 12,659 | 12,700 | 12,742 | 12,783 | 12,825 | 12,867 | 12,908 | 12,950 | 12,992 | 13,033 | 13,075 |
| 320 | 13,075 | 13,116 | 13,158 | 13,200 | 13,242 | 13,283 | 13,325 | 13,367 | 13,408 | 13,450 | 13,492 |
| 330 | 13,492 | 13,534 | 13,575 | 13,617 | 13,659 | 13,701 | 13,742 | 13,784 | 13,826 | 13,868 | 13,910 |
| 340 | 13,910 | 13,952 | 13,993 | 14,035 | 14,077 | 14,119 | 14,161 | 14,203 | 14,245 | 14,286 | 14,328 |
| 350 | 14,328 | 14,370 | 14,412 | 14,454 | 14,496 | 14,538 | 14,580 | 14,622 | 14,664 | 14,706 | 14,748 |
| 360 | 14,748 | 14,790 | 14,832 | 14,874 | 14,916 | 14,958 | 15,000 | 15,042 | 15,084 | 15,126 | 15,168 |
| 370 | 15,168 | 15,210 | 15,252 | 15,294 | 15,336 | 15,378 | 15,420 | 15,462 | 15,505 | 15,547 | 15,589 |
| 380 | 15,589 | 15,631 | 15,673 | 15,715 | 15,757 | 15,799 | 15,842 | 15,884 | 15,926 | 15,968 | 16,010 |
| 390 | 16,010 | 16,052 | 16,095 | 16,137 | 16,179 | 16,221 | 16,263 | 16,306 | 16,348 | 16,390 | 16,432 |

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|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 400 | 16,432 | 16,475 | 16,517 | 16,559 | 16,601 | 16,644 | 16,686 | 16,728 | 16,770 | 16,813 | 16,855 |
| 410 | 16,855 | 16,897 | 16,940 | 16,982 | 17,024 | 17,067 | 17,109 | 17,151 | 17,194 | 17,236 | 17,278 |
| 420 | 17,278 | 17,321 | 17,363 | 17,405 | 17,448 | 17,490 | 17,532 | 17,575 | 17,617 | 17,660 | 17,702 |
| 430 | 17,702 | 17,744 | 17,787 | 17,829 | 17,872 | 17,914 | 17,957 | 17,999 | 18,041 | 18,084 | 18,126 |
| 440 | 18,126 | 18,169 | 18,211 | 18,254 | 18,296 | 18,339 | 18,381 | 18,424 | 18,466 | 18,509 | 18,551 |
| 450 | 18,551 | 18,594 | 18,636 | 18,678 | 18,721 | 18,764 | 18,806 | 18,849 | 18,891 | 18,934 | 18,976 |
| 460 | 18,976 | 19,019 | 19,061 | 19,104 | 19,146 | 19,189 | 19,231 | 19,274 | 19,316 | 19,359 | 19,402 |
| 470 | 19,402 | 19,444 | 19,487 | 19,529 | 19,572 | 19,614 | 19,657 | 19,700 | 19,742 | 19,785 | 19,827 |
| 480 | 19,827 | 19,870 | 19,912 | 19,955 | 19,998 | 20,040 | 20,083 | 20,125 | 20,168 | 20,211 | 20,253 |
| 490 | 20,253 | 20,296 | 20,339 | 20,381 | 20,424 | 20,466 | 20,509 | 20,552 | 20,594 | 20,637 | 20,679 |
| 500 | 20,679 | 20,722 | 20,765 | 20,807 | 20,850 | 20,893 | 20,935 | 20,978 | 21,021 | 21,063 | 21,106 |
| 510 | 21,106 | 21,148 | 21,191 | 21,234 | 21,276 | 21,319 | 21,362 | 21,404 | 21,447 | 21,490 | 21,532 |
| 520 | 21,532 | 21,575 | 21,618 | 21,660 | 21,703 | 21,746 | 21,788 | 21,831 | 21,873 | 21,916 | 21,959 |
| 530 | 21,959 | 22,001 | 22,044 | 22,087 | 22,129 | 22,172 | 22,215 | 22,257 | 22,300 | 22,343 | 22,385 |
| 540 | 22,385 | 22,428 | 22,471 | 22,513 | 22,556 | 22,598 | 22,641 | 22,684 | 22,726 | 22,769 | 22,812 |
| 550 | 22,812 | 22,854 | 22,897 | 22,940 | 22,982 | 23,025 | 23,067 | 23,110 | 23,153 | 23,195 | 23,238 |
| 560 | 23,238 | 23,281 | 23,323 | 23,366 | 23,408 | 23,451 | 23,494 | 23,536 | 23,579 | 23,621 | 23,664 |
| 570 | 23,664 | 23,707 | 23,749 | 23,792 | 23,834 | 23,877 | 23,920 | 23,962 | 24,005 | 24,047 | 24,090 |
| 580 | 24,090 | 24,132 | 24,175 | 24,218 | 24,260 | 24,303 | 24,345 | 24,388 | 24,430 | 24,473 | 24,515 |
| 590 | 24,515 | 24,558 | 24,601 | 24,643 | 24,686 | 24,728 | 24,771 | 24,813 | 24,856 | 24,898 | 24,941 |
| 600 | 24,941 | 24,983 | 25,026 | 25,068 | 25,111 | 25,153 | 25,196 | 25,238 | 25,281 | 25,323 | 25,366 |
| 610 | 25,366 | 25,408 | 25,450 | 25,493 | 25,535 | 25,578 | 25,620 | 25,663 | 25,705 | 25,748 | 25,790 |
| 620 | 25,790 | 25,832 | 25,875 | 25,917 | 25,960 | 26,002 | 26,044 | 26,087 | 26,129 | 26,171 | 26,214 |
| 630 | 26,214 | 26,256 | 26,299 | 26,341 | 26,383 | 26,426 | 26,468 | 26,510 | 26,553 | 26,595 | 26,637 |
| 640 | 26,637 | 26,680 | 26,722 | 26,764 | 26,806 | 26,849 | 26,891 | 26,933 | 26,976 | 27,018 | 27,060 |
| 650 | 27,060 | 27,102 | 27,145 | 27,187 | 27,229 | 27,271 | 27,313 | 27,356 | 27,398 | 27,440 | 27,482 |
| 660 | 27,482 | 27,524 | 27,567 | 27,609 | 27,651 | 27,693 | 27,735 | 27,777 | 27,820 | 27,862 | 27,904 |
| 670 | 27,904 | 27,946 | 27,988 | 28,030 | 28,072 | 28,114 | 28,156 | 28,198 | 28,241 | 28,283 | 28,325 |
| 680 | 28,325 | 28,367 | 28,409 | 28,451 | 28,493 | 28,535 | 28,577 | 28,619 | 28,661 | 28,703 | 28,745 |
| 690 | 28,745 | 28,787 | 28,829 | 28,871 | 28,913 | 28,955 | 28,997 | 29,038 | 29,080 | 29,122 | 29,164 |
| 700 | 29,164 | 29,206 | 29,248 | 29,290 | 29,332 | 29,374 | 29,415 | 29,457 | 29,499 | 29,541 | 29,583 |
| 710 | 29,583 | 29,625 | 29,666 | 29,708 | 29,750 | 29,792 | 29,834 | 29,875 | 29,917 | 29,959 | 30,001 |
| 720 | 30,001 | 30,042 | 30,084 | 30,126 | 30,167 | 30,209 | 30,251 | 30,292 | 30,334 | 30,376 | 30,417 |
| 730 | 30,417 | 30,459 | 30,501 | 30,542 | 30,584 | 30,626 | 30,667 | 30,709 | 30,750 | 30,792 | 30,833 |
| 740 | 30,833 | 30,875 | 30,917 | 30,958 | 31,000 | 31,041 | 31,083 | 31,124 | 31,166 | 31,207 | 31,249 |

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 750 | 31,249 | 31,290 | 31,332 | 31,373 | 31,414 | 31,456 | 31,497 | 31,539 | 31,580 | 31,622 | 31,663 |
| 760 | 31,663 | 31,704 | 31,746 | 31,787 | 31,828 | 31,870 | 31,911 | 31,952 | 31,994 | 32,035 | 32,076 |
| 770 | 32,076 | 32,118 | 32,159 | 32,200 | 32,241 | 32,283 | 32,324 | 32,365 | 32,406 | 32,447 | 32,489 |
| 780 | 32,489 | 32,530 | 32,571 | 32,612 | 32,653 | 32,694 | 32,736 | 32,777 | 32,818 | 32,859 | 32,900 |
| 790 | 32,900 | 32,941 | 32,982 | 33,023 | 33,064 | 33,105 | 33,147 | 33,188 | 33,229 | 33,270 | 33,311 |
| 800 | 33,311 | 33,352 | 33,393 | 33,434 | 33,475 | 33,515 | 33,556 | 33,597 | 33,638 | 33,679 | 33,720 |
| 810 | 33,720 | 33,761 | 33,802 | 33,843 | 33,884 | 33,924 | 33,965 | 34,006 | 34,047 | 34,088 | 34,129 |
| 820 | 34,129 | 34,169 | 34,210 | 34,251 | 34,292 | 34,333 | 34,373 | 34,414 | 34,455 | 34,495 | 34,536 |
| 830 | 34,536 | 34,577 | 34,618 | 34,658 | 34,699 | 34,740 | 34,780 | 34,821 | 34,862 | 34,902 | 34,943 |
| 840 | 34,943 | 34,983 | 35,024 | 35,065 | 35,105 | 35,146 | 35,186 | 35,227 | 35,267 | 35,308 | 35,348 |
| 850 | 35,348 | 35,389 | 35,429 | 35,470 | 35,510 | 35,551 | 35,591 | 35,632 | 35,672 | 35,712 | 35,753 |
| 860 | 35,753 | 35,793 | 35,834 | 35,874 | 35,914 | 35,955 | 35,995 | 36,035 | 36,076 | 36,116 | 36,156 |
| 870 | 36,156 | 36,197 | 36,237 | 36,277 | 36,318 | 36,358 | 36,398 | 36,438 | 36,479 | 36,519 | 36,559 |
| 880 | 36,559 | 36,599 | 36,639 | 36,680 | 36,720 | 36,760 | 36,800 | 36,840 | 36,880 | 36,920 | 36,961 |
| 890 | 36,961 | 37,001 | 37,041 | 37,081 | 37,121 | 37,161 | 37,201 | 37,241 | 37,281 | 37,321 | 37,361 |
| 900 | 37,361 | 37,401 | 37,441 | 37,481 | 37,521 | 37,561 | 37,601 | 37,641 | 37,681 | 37,721 | 37,761 |
| 910 | 37,761 | 37,801 | 37,840 | 37,880 | 37,920 | 37,960 | 38,000 | 38,040 | 38,080 | 38,119 | 38,159 |
| 920 | 38,159 | 38,199 | 38,239 | 38,279 | 38,318 | 38,358 | 38,398 | 38,438 | 38,477 | 38,517 | 38,557 |
| 930 | 38,557 | 38,596 | 38,636 | 38,676 | 38,715 | 38,755 | 38,795 | 38,834 | 38,874 | 38,914 | 38,953 |
| 940 | 38,953 | 38,993 | 39,032 | 39,072 | 39,112 | 39,151 | 39,191 | 39,230 | 39,270 | 39,309 | 39,349 |
| 950 | 39,349 | 39,388 | 39,428 | 39,467 | 39,507 | 39,546 | 39,586 | 39,625 | 39,664 | 39,704 | 39,743 |
| 960 | 39,743 | 39,783 | 39,822 | 39,861 | 39,901 | 39,940 | 39,979 | 40,019 | 40,058 | 40,097 | 40,137 |
| 970 | 40,137 | 40,176 | 40,215 | 40,254 | 40,294 | 40,333 | 40,372 | 40,411 | 40,451 | 40,490 | 40,529 |
| 980 | 40,529 | 40,568 | 40,607 | 40,647 | 40,686 | 40,725 | 40,764 | 40,803 | 40,842 | 40,881 | 40,920 |
| 990 | 40,920 | 40,960 | 40,999 | 41,038 | 41,077 | 41,116 | 41,155 | 41,194 | 41,233 | 41,272 | 41,311 |
| 1000 | 41,311 | 41,350 | 41,389 | 41,428 | 41,467 | 41,506 | 41,545 | 41,583 | 41,622 | 41,661 | 41,700 |
| 1010 | 41,700 | 41,739 | 41,778 | 41,817 | 41,856 | 41,894 | 41,933 | 41,972 | 42,011 | 42,050 | 42,088 |
| 1020 | 42,088 | 42,127 | 42,166 | 42,205 | 42,243 | 42,282 | 42,321 | 42,359 | 42,398 | 42,437 | 42,475 |
| 1030 | 42,475 | 42,514 | 42,553 | 42,591 | 42,630 | 42,669 | 42,707 | 42,746 | 42,784 | 42,823 | 42,862 |
| 1040 | 42,862 | 42,900 | 42,939 | 42,977 | 43,016 | 43,054 | 43,093 | 43,131 | 43,170 | 43,208 | 43,246 |
| 1050 | 43,246 | 43,285 | 43,323 | 43,362 | 43,400 | 43,439 | 43,477 | 43,515 | 43,554 | 43,592 | 43,630 |
| 1060 | 43,630 | 43,669 | 43,707 | 43,745 | 43,783 | 43,822 | 43,860 | 43,898 | 43,937 | 43,975 | 44,013 |
| 1070 | 44,013 | 44,051 | 44,089 | 44,128 | 44,166 | 44,204 | 44,242 | 44,280 | 44,318 | 44,356 | 44,394 |
| 1080 | 44,394 | 44,433 | 44,471 | 44,509 | 44,547 | 44,585 | 44,623 | 44,661 | 44,699 | 44,737 | 44,775 |
| 1090 | 44,775 | 44,813 | 44,851 | 44,889 | 44,927 | 44,965 | 45,002 | 45,040 | 45,078 | 45,116 | 45,154 |

