



# ATTENUATORS, DIGITAL STEP

10 MHz to 1 GHz Precision 50 Ω (Hermetic)



| MODEL<br>PREFIX | FREQUENCY<br>(MHz)<br>$f_L$ - $f_U$ | PRIMARY ATTENUATION STEPS<br>(dB)<br>@TTL CONTROL PORT |    |    | ATTENUATION (dB)                                                |                                            | VSWR (:1) |           |   | DC OPERATING<br>POWER |                 |
|-----------------|-------------------------------------|--------------------------------------------------------|----|----|-----------------------------------------------------------------|--------------------------------------------|-----------|-----------|---|-----------------------|-----------------|
|                 |                                     | #1                                                     | #2 | #3 | Attenuation<br>Above insertion loss<br>at (1,1,1) state<br>Typ. | Max.<br>Insertion loss at<br>(0,0,0) state | L         | Typ.<br>M | U | VOLT<br>(V)           | CURRENT<br>(mA) |

DIGITAL STEP Pin Diode, TTL Control

|            |         |          |        |        |      |     |     |     |     |   |    |
|------------|---------|----------|--------|--------|------|-----|-----|-----|-----|---|----|
| TOAT-R512  | 10-1000 | 0.5±0.18 | 1±0.25 | 2±0.25 | 3.5  | 4.0 | 1.6 | 1.4 | 1.5 | 5 | 12 |
| TOAT-124   | 10-1000 | 1±0.25   | 2±0.25 | 4±0.3  | 7.0  | 4.0 | 1.6 | 1.4 | 1.5 | 5 | 12 |
| TOAT-3610  | 10-1000 | 3±0.3    | 6±0.4  | 10±0.4 | 19.0 | 4.0 | 1.6 | 1.4 | 1.5 | 5 | 12 |
| TOAT-4816  | 10-1000 | 4±0.4    | 8±0.4  | 16±0.5 | 28.0 | 4.0 | 1.6 | 1.4 | 1.5 | 5 | 12 |
| TOAT-51020 | 10-1000 | 5±0.4    | 10±0.4 | 20±0.5 | 35.0 | 4.0 | 1.6 | 1.4 | 1.5 | 5 | 12 |

L = low range (10 to 100 MHz)      M = mid range (100 to 500 MHz)      U = upper range (500 to 1000 MHz)

ELECTRICAL SCHEMATIC

