Description
MT-50/75 is designed to impedance match a 75 ohm device to 50 ohms device. It is used to minimize mismatch and signal reflection. Example applications: test and measurement - test 75 ohms device using 50 ohms RF analyzer with a pair of MT 50/75s; Impedance match 50 ohms antenna to 75 ohms receiver using one MT in line. MT-50/75 is a cost-efficient solution to convert a 75 ohm signal for a 50 ohm measurement or transformation purposes, or vice versa. It does this with good return loss to improve measurement accuracy. A further advantage of this matching transformer is that it features a low through loss, preserving much more of your input signal than a matching pad (6 dB) would. Optional MT 50/75 models for 5 to 1500 MHz and 10 to 2000 MHz are available for some connector configurations.

Specifications: MT-50/75

<table>
<thead>
<tr>
<th>Frequency Range (MHz)</th>
<th>Insertion Loss (dB):</th>
<th>Return Loss (dB) - 50 ohms:</th>
<th>Return Loss (dB) - 75 ohms:</th>
<th>RF Power Handling:</th>
<th>Dimensions (in):</th>
<th>Weight (lbs):</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-15</td>
<td>0.25</td>
<td>&gt;18 (VSWR 1.28)</td>
<td>&gt;18 (VSWR 1.28)</td>
<td>Up to 2 Watt</td>
<td>2.75L x 0.75D x 1.0H (with connectors)</td>
<td>0.15</td>
</tr>
<tr>
<td>20 to 870</td>
<td>0.5</td>
<td>&gt;20 (VSWR 1.21)</td>
<td>&gt;20(VSWR 1.21)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>900-1000</td>
<td>0.65</td>
<td>&gt;20 (VSWR 1.21)</td>
<td>&gt;20 (VSWR 1.21)</td>
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</table>

Connectors - 50 ohm port: BNC, SMA, or N type, female (inquire for availability for male end)
Connectors - 75 ohm port: F-female - standard, F-male and BNC female available

MT-50-75 (1000 to 1500 MHz) * 19 dB R.L. (VSWR 1.25); Insertion Loss: .75 dB from 1000 to 1500 MHz
MT-50/75 (1500 to 2000 MHz) * 18 dB R.L. (VSWR 1.28); Insertion Loss: 1.0 dB from 1000 to 2000 MHz

Example Models | Connectors*
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MT-50/75 BfFf | 50 Ω BNC female and 75 Ω F female
MT-50/75 BfFm | 50 Ω BNC female and 75Ω F male
MT-50/75 SfFf | 50 Ω SMA female and 75 Ω BNC female
MT-50/75 NmBf | 50 Ω N male and 75 Ω BNC female
MT-50/75 NfBf 1.5G | 50 Ω N (f), 75 Ω BNC female with 1500 MHz BW
MT-50/75 SfFm2.0G | 50 Ω SMA(f), 75 Ω F female with 2000 MHz BW

* Special Order for MT 50/75 for 5-1500 MHz, 10-2000MHz — inquire