



Precision 50 ohms to 75 ohms Matching Transformer

Model MT-50/75 FM (80 to 120 MHz)

Description

MT-50/75-FM is designed for FM band operation to impedance match a 50 ohm device to 75 ohms device. It is used to minimize mismatch and signal reflection. Example applications: Impedance match 50 ohms FM antenna to 75 ohms FM receiver using one MT in line. It provides good return loss to improve signal transfer, and, low through loss, to preserve much more of the input signal than a matching pad (6 dB) would.



MT 50/75 Compact, Rugged, RF shielded casing

Specifications: MT-50/75-FM

Frequency Range (MHz)	10-50	80 to 120	200-800
Insertion Loss (dB):	0.25	0.45	0.5
Return Loss (dB) - 50 ohms:	18 (VSWR 1.28)	25 (VSWR 1.11)	18 (VSWR 1.28)
Return Loss (dB) - 75 ohms:	18 (VSWR 1.28)	25 (VSWR 1.11)	18 (VSWR 1.28)
RF Power Handling:	Up to 20 Watt		
Dimensions (in):	2.75L x 0.75D x 1.0H (with connectors)		Weight (lbs): 0.15
Connectors - 50 ohm port:	BNC, SMA, TNC, or N type, female (inquire for availability for male end)		
Connectors - 75 ohm port:	F-female - standard , F-male and BNC female available		

Examples of MT-50/75-FM with common Connector Options

Models	Connectors*
MT-50/75-FM BfFf	50 Ω BNC female and 75 Ω F female
MT-50/75-FM BfFm	50 Ω BNC female and 75Ω F male
MT-50/75-FM SfBf	50 Ω SMA female and 75 Ω BNC female
MT-50/75-FM NfFm	50 Ω N female and 75 Ω F male
MT-50/75-FM NmBf	50 Ω N male and 75 Ω BNC female

