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Product Note No 17

RF Tuner with Very High VSWR, model MTS-308-HR

The coaxial programmable tuners, model MTS-308, can generate maximum VSWR of at least 10:1 ($\Gamma \geq 0.82$) in the entire frequency range of 0.8 to 3 GHz. For specific applications at reduced frequency bandwidth these tuners can be modified and re-tuned to provide higher VSWR capability between 20:1 ($\Gamma=0.9$) and 40:1 ($\Gamma=0.95$). This is possible using different size RF slugs with thinner dielectric coating.

Tuner Characteristics

	Model MTS-308 -----	Model MTS-308-HR -----
Frequency Range	0.8 - 3 GHz	0.85 - 2.5 GHz
VSWR min	1.1:1	1.1:1
VSWR max	10:1	> 20:1 (fig. 2)
RF Connectors	SMA or GPC-7	GPC-7
Size	17 x 6 x 5 inches
Weight	4 kg
RF resetability	55 dB min