

Multilayer Chip Low Pass Filters AMF1005L Series



Features

- Ultra Small Size and Low Profile
 - AMF100540: 1.0mm(L) x 0.5mm(W) x 0.4mm(H) typ.
 - AMF100550: 1.0mm(L) x 0.5mm(W) x 0.5mm(H) typ.
- Low Insertion Loss
- High Attenuation
- RoHS Compliant

Applications

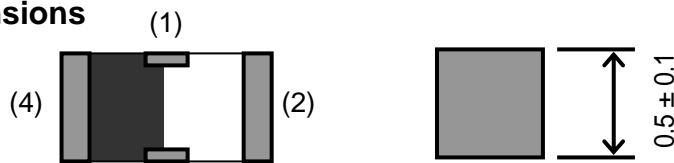
- Mobile Phone
 - Antenna Switch Module
 - Power Amplifier Module
 - Front End Module
- Digital Television
- W-LAN , Bluetooth , WiMAX

Specification

System	Part Number	Frequency Range [MHz]	Insertion Loss [dB] typ.	Return Loss [dB] typ.	Attenuation [dB] typ.
Digital TV	AMF100550L0430BT	54-806	1.5 (770MHz) 2.0 (806MHz)	18	28 (1030MHz)
Digital TV (Samples available)	AMF100540L0620AT	54-770	0.65(770MHz)	18	32 (1429-1516MHz) 36 (1710-2155MHz) 36 (2400-2500MHz)
GSM 850 GSM 900 Digital TV	AMF100540L0870AT	824-915	0.60	25	31 (1648-1830MHz) 28 (2472-2745MHz)
DCS(GSM1800) PCS(GSM1900)	AMF100540L1810AT	1710-1910	0.50	25	32 (3420-3820MHz) 32 (5130-5730MHz)
W-LAN ,Bluetooth WiMAX(WiBro)	AMF100540L2450AT	2400-2500	0.40	20	31 (4800-5000MHz) 31 (7200-7500MHz)

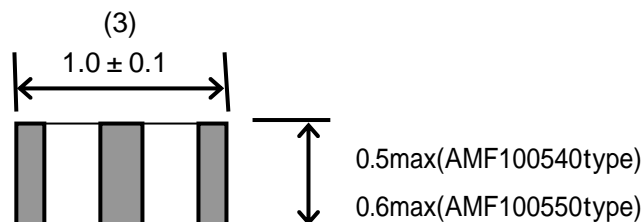
Spapes and dimensions

[Top View]

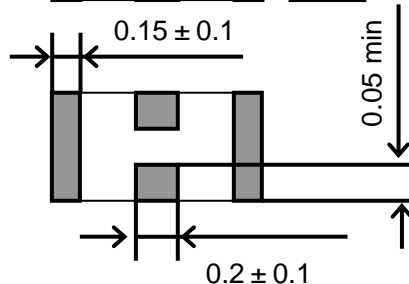


(1)	GND	(2)	OUT
(3)	GND	(4)	IN

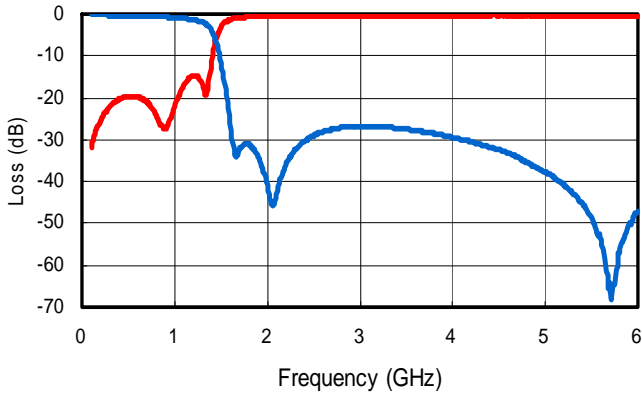
[Side View]



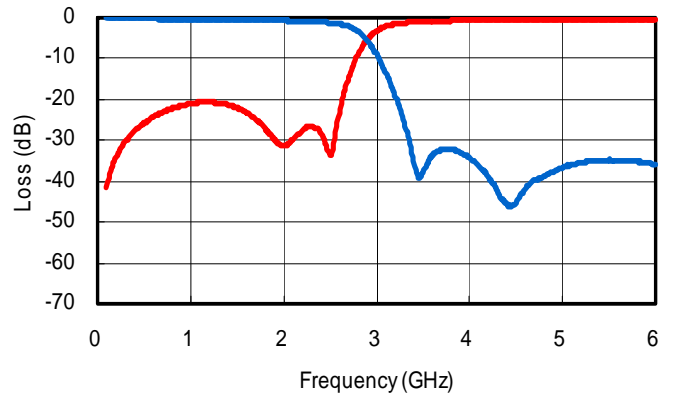
[Bottom View]



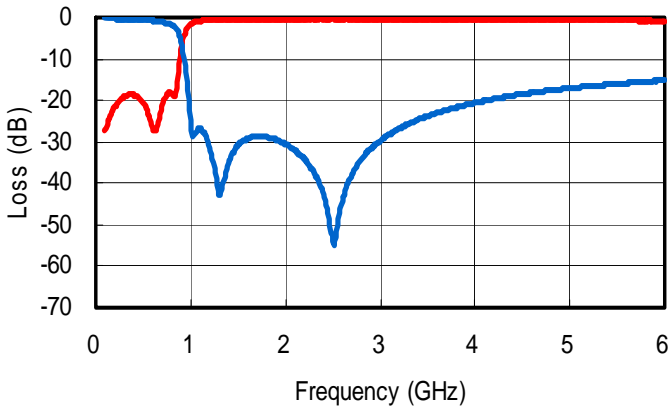
Insertion Loss & Return Loss — S11 — S21



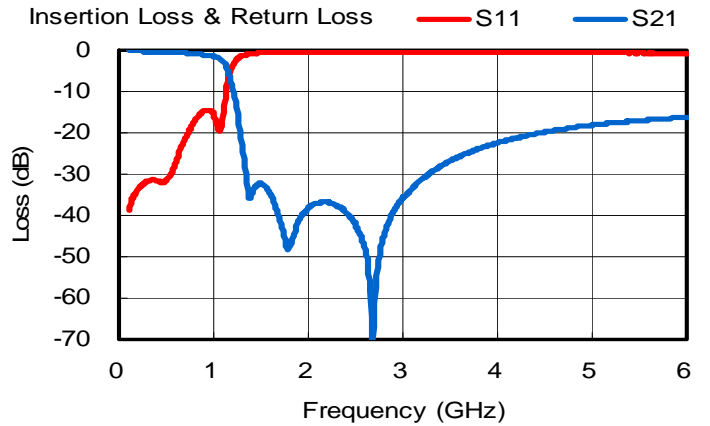
AMF100540L0870AT(Low)



AMF100540L1810AT(Low)

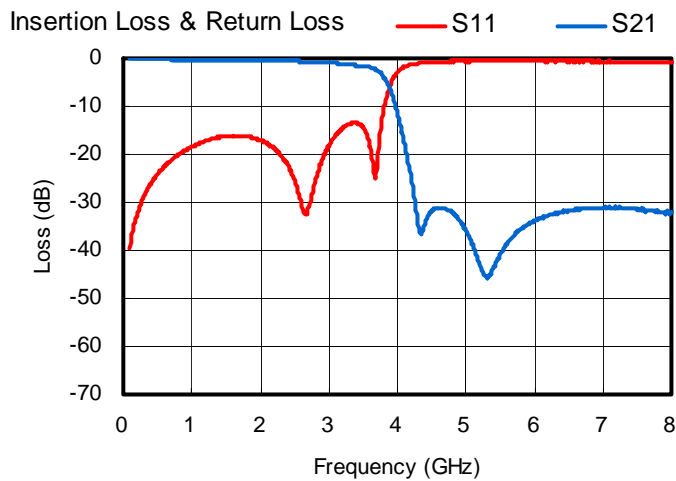


AMF100550L0430BT(Low Pass)



AMF100540L0620AT(Low Pass)

Sample available



AMF100540L2450AT(Low Pass) Sample available

Notes: This catalog is effective from March 2010. The contents of this catalog are subject to change without prior notice as a result of product improvement or discontinuation of production. Therefore, please be sure to check with our sales representatives about the contents before your ordering. Product specifications described in this catalog are for reference only. Upon the actual use, please obtain specification sheets separately to check the contents.