

A5N1102

Phase shifter

Features

- Wideband
- Low insertion loss
- Small size

Applications

- Evaluation of RF components
- Optical telecommunication



Absolute maximum rating

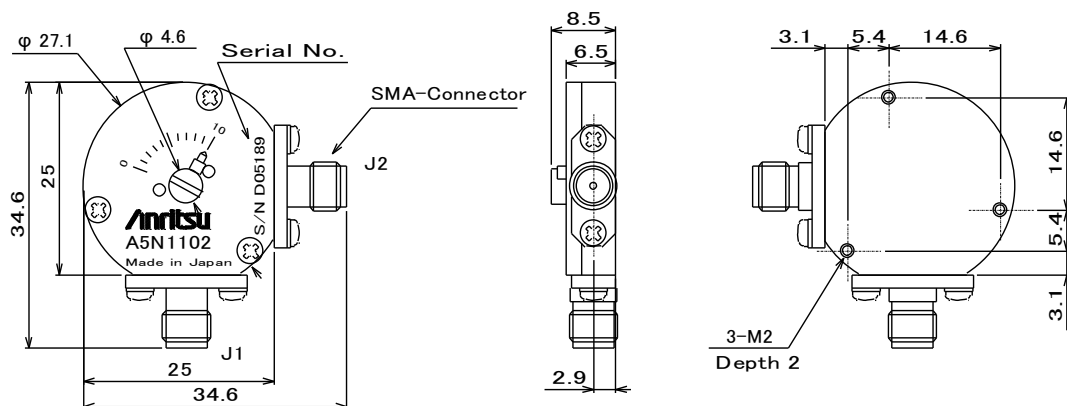
Item	Rating	Unit
Operation temperature	-5 to +70	°C
Storage temperature	-20 to +75	°C

Specifications

$T_a=25^{\circ}\text{C}$, $Z_{in}=50\Omega$, $Z_{out}=50\Omega$

Item	Condition	Specification			Unit
		min.	typ.	max.	
Frequency range	–	DC	–	11	GHz
Minimum delay time	–	–	320	–	ps
Maximum delay time	–	–	430	–	ps
Phase tuning range	–	–	40	–	°/GHz
Return loss	DC to 5GHz	15	–	–	dB
	5 to 10GHz	12	–	–	
	10 to 11GHz	11	–	–	
Insertion loss	DC to 5GHz	–	–	0.7	dB
	5 to 10GHz	–	–	1.0	
	10 to 11GHz	–	–	1.2	

Dimensions

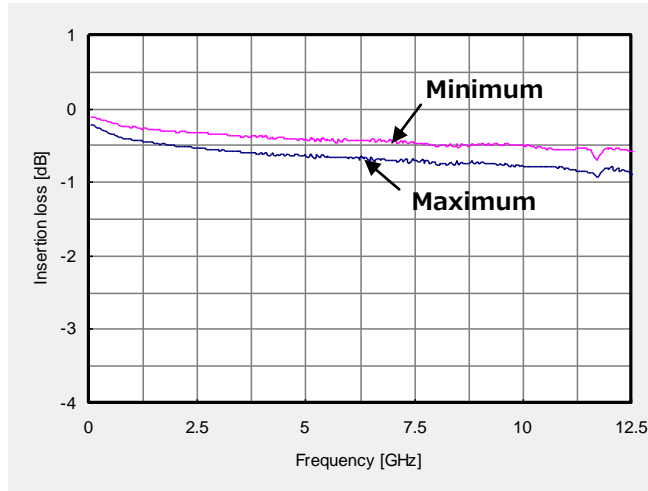


Unit : mm

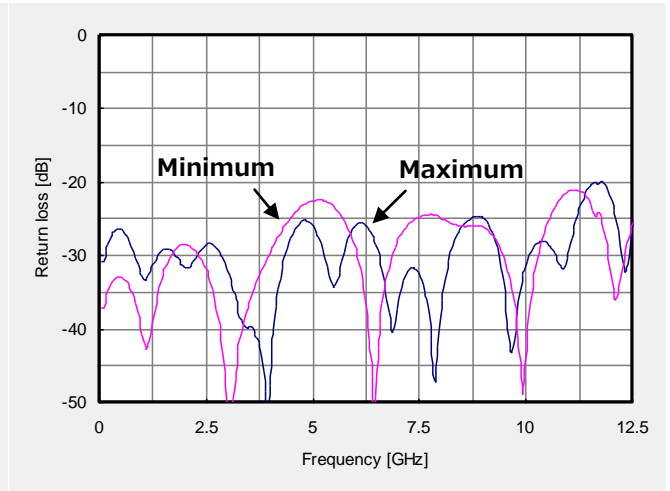
Example

Frequency response characteristics

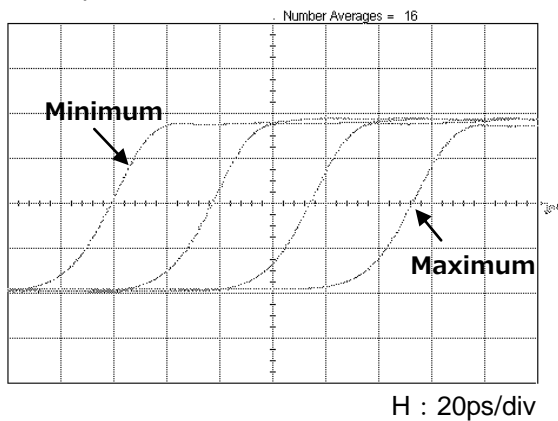
Insertion loss



Return loss



Pulse response characteristics



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