

The SPL004U Series of In phase splitter combiners operate over the band 20-500MHz and offer excellent phase and amplitude balance for combining or splitting application. Supplied in a machined aluminium body they are rugged and reliable.



Figure 1 - 4 Way splitter/combiner Shown

Specifications:

Type Code	Freq.	Ports	loss	Port Isolation	Phase Imbalance	Amplitude Imbalance (Max)
SPL014-1	20-500MHz	2 Way	< 3.9dB	>25dB (typ. 28dB)	Typ. +/- 0.5° Max. +/- 1°	Typ. 0.2dB Max. 0.35dB
SPL014-2	20-500MHz	4 Way	< 7.8dB	>25dB (typ. 28dB)	Typ. +/- 1° Max. +/- 2°	0.9dB
SPL014-3	20-500MHz	8 Way	< 11.5dB	>25dB (typ. 28dB)	Max. +/- 6°	1.3dB

Parameter General

Limits

Power input Max	0.5W
SPL014-1 Pass Band return loss	< -14dB. (VSWR Better than 1.5:1)
SPL014-2/3 Pass Band return loss	< -10dB. (VSWR Better than 2:1)
Input Impedance	50Ω
Output Impedance	50Ω
Temperature (operating)	-40 to +85°C
Case Size	Varies
Connectors	N type (BNC can be fitted on special order)