

The SPL004U Series of In phase splitter combiners operate over the band 1.5-30MHz 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) |
|-----------|-----------|-------|---------|-------------------|-----------------|---------------------------|
| SPL016-1  | 1.5-30MHz | 2 Way | < 3.3dB | >35dB (typ. 40dB) | Max. +/- 0.5°   | Max. 0.2dB                |
| SPL016-2  | 1.5-30MHz | 4 Way | < 6.8dB | >35dB (typ. 40dB) | Max. +/- 1°     | Max. 0.4dB                |
| SPL016-3  | 1.5-30MHz | 8 Way | < 10dB  | >35dB (typ. 40dB) | Max. +/- 2°     | Max. 0.6dB                |

| <u>Parameter</u>                   | <u>General</u> | <u>Limits</u>                               |
|------------------------------------|----------------|---|
| Power input Max                    |                | 0.5W  |
| SPL016-1/2/3 Pass Band return loss |                | <-14dB. (VSWR Better than 1.5:1)            |
| 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) |