

1GHz CATV PASSIVE DEVICES



PI-116 Power Inserter



SPL-2116 2-Way Splitter



**SPL-3216 3-Way Splitter
(Unbalanced loss)**



**SPL-3216E 3-Way Splitter
(Equal loss)**

- 5 ~ 1000 MHz broadband operation
- Woven metallic gasket for RFI shielding requirement
- Full weather seal with strand clamp for outdoor applications
- 20A / 15 A through current rating to support network powered telephony service
- Aluminum alloy powder coated housing
- 5/8" female connectors for both input and output connections



**SPL-3216-DC
Directional Coupler**



From left to right: SPS-2116 Dual-line Power Switch, SPS-5116A Smart Power Switch and SPS-5116C Smart Power Switch.

General Specifications

Waterproof conditions	1.0kg/squ. cm 60s
Operating bandwidth	5 ~ 1000MHz
AC Current capacity	15A
Total AC powering capability	20A (PI-116), 15A (SPL series devices)
Fuse rate	15A (max.)
HUM modulation	≥66dB
Impedance	75Ω
Dimensions	141x110x74mm / 5.55x4.33x2.91"
Gross weight	0.7kg / 1.54lbs.

Nominal Specifications

Insertion Loss (dB)

Model	Port	(MHz)	5 ~ 15	15 ~ 40	40 ~ 250	250 ~ 550	550 ~ 750	750 ~ 860	860 ~1000
PI-116	In - Out		0.7	0.7	0.7	0.7	1	1.3	1.3
SPL-2116	In - Out		3.9	4.2	4.2	4.2	4.5	4.8	5.3
SPL-3216	In - Out (3.5dB)		4.3	4.3	4.3	4.3	4.6	5.2	5.4
	In - Out (7dB)		7.5	7.5	7.5	8.3	8.5	9	9.5
	In - Out (7dB)		7.5	7.5	7.5	8.3	8.5	9	9.5
SPL-3216E	In - Out		7	6.5	6.5	7	7.3	7.5	8.5
SPL-3216-DC	In - Out		1.3	1.2	1.5	1.8	1.8	2.2	2.4

Tap Loss (dB)

SPL-3216-DC	In – Tap (±1.5)	16	16	16	16	16	16	16	16
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Isolation (dB)

PI-116	Power In - RF	75	60	60	60	60	50	50
SPL-2116	Out - Out	21	25	25	21	21	20	18
SPL-3216	Out - Out	21	22	22	22	21	20	20
SPL-3216E	Out - Out	21	22	22	22	21	20	20
SPL-3216-DC	Out - Tap	20	25	30	25	22	22	22
	Tap - Tap	20	20	20	20	20	20	20

Return Loss (dB)

PI-116	In / Out	18	20	18	16	16	16	16
SPL-2116	In / Out x 2	16	16	16	16	16	16	16
SPL-3216	In / Out x 3	16	16	16	16	16	16	16
SPL-3216E	In / Out x 3	16	16	16	16	16	16	16
SPL-3216-DC	Out - Tap	16	16	16	16	16	16	16
	Tap - Tap	16	16	16	16	16	16	16

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