

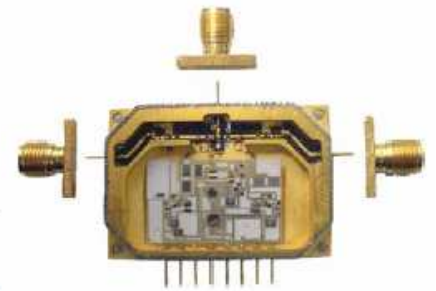
COMMUTATEUR DIODE PIN DE PUISSANCE

Features

- State-of-the-Art PIN Diode Architecture
- Fast Switching Speeds
- Low Loss, High Isolation, Broadband

Specifications

| Frequency/ Pkg. Style | Product Number | Average Power W / V | Insertion Loss dB (typical) | Isolation dB (minimum) | VSWR |
|---|-------------------|------------------------|-----------------------------------|------------------------------|--------|
| 0.1 GHz to 1 GHz SMA <i>connectorized</i> | ES302-5 | 5 W, -15 V | 0.9 dB | 30 dB | 1.3:1 |
| | ES302-10 | 10 W, -28 V | 0.9 dB | 30 dB | 1.3:1 |
| | ES302-20 | 20 W, -28 V | 0.9 dB | 30 dB | 1.3:1 |
| | ES302-50 | 50 W, -48 V | 0.9 dB | 30 dB | 1.3:1 |
| | ES302-100 | 100 W, -100 V | 0.9 dB | 30 dB | 1.3:1 |
| 500 MHz to 4 GHz SMA <i>connectorized</i> | ES303-5 | 5 W, -15 V | 1.3 dB | 30 dB | 1.35:1 |
| | ES303-10 | 10 W, -28 V | 1.3 dB | 30 dB | 1.35:1 |
| | ES303-20 | 20 W, -28 V | 1.3 dB | 30 dB | 1.35:1 |
| | ES303-50 | 50 W, -48 V | 1.3 dB | 30 dB | 1.35:1 |
| | ES303-100 | 100 W, -100 V | 1.3 dB | 30 dB | 1.35:1 |
| 2 GHz to 18 GHz SMA <i>connectorized</i> | ES304-5 | 5 W, -15 V | 2.2 dB | 30 dB | 1.5:1 |
| | ES304-10 | 10 W, -28 V | 2.2 dB | 30 dB | 1.5:1 |
| | ES304-20 | 20 W, -28 V | 2.2 dB | 30 dB | 1.5:1 |
| | ES304-50 | 50 W, -48 V | 2.2 dB | 30 dB | 1.5:1 |
| | ES304-100 | 100 W, -100 V | 2.2 dB | 30 dB | 1.5:1 |
| 0.1 GHz to 1 GHz <i>Drop-in Removable SMA</i> | ES305-5 | 5 W, -15 V | 0.9 dB | 30 dB | 1.3:1 |
| | ES305-10 | 10 W, -28 V | 0.9 dB | 30 dB | 1.3:1 |
| | ES305-20 | 20 W, -28 V | 0.9 dB | 30 dB | 1.3:1 |
| | ES305-50 | 50 W, -48 V | 0.9 dB | 30 dB | 1.3:1 |
| | ES305-100 | 100 W, -100 V | 0.9 dB | 30 dB | 1.3:1 |
| 500 MHz to 4 GHz <i>Drop-in Removable SMA</i> | ES306-5 | 5 W, -15 V | 1.3 dB | 30 dB | 1.35:1 |
| | ES306-10 | 10 W, -28 V | 1.3 dB | 30 dB | 1.35:1 |
| | ES306-20 | 20 W, -28 V | 1.3 dB | 30 dB | 1.35:1 |
| | ES306-50 | 50 W, -48 V | 1.3 dB | 30 dB | 1.35:1 |
| | ES306-100 | 100 W, -100 V | 1.3 dB | 30 dB | 1.35:1 |
| 2 GHz to 18 GHz <i>Drop-in Removable SMA</i> | ES307-5 | 5 W, -15 V | 2.2 dB | 30 dB | 1.5:1 |
| | ES307-10 | 10 W, -28 V | 2.2 dB | 30 dB | 1.5:1 |
| | ES307-20 | 20 W, -28 V | 2.2 dB | 30 dB | 1.5:1 |
| | ES307-50 | 50 W, -48 V | 2.2 dB | 30 dB | 1.5:1 |
| | ES307-100 | 100 W, -100 V | 2.2 dB | 30 dB | 1.5:1 |



Drop-in SPDT module shown above with removable SMA connectors



SPDT module shown above with SMA connectors



Common Switch Specifications

| Specification | 5 W Series | 10 W Series | 20 W Series | 50 W Series | 100 W Series |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| TTL Control Rate: | 1 MHz | 0.5 MHz | 0.5 MHz | 0.250 MHz | 0.1 MHz |
| Switching Speed: | 100 ns | 250 ns | 250 ns | 500 ns | 750 ns |
| Supply (Positive) | +5 | +5 | +5 | +5 | +5 |
| Supply (Negative) | -15 | -28 | -28 | -48 | -100 |
| Operating Temp: | -55 to +85°C | -55 to +85°C | -55 to +85°C | -55 to +85°C | -55 to +85°C |
| Storage Temp: | -55 to 125°C | -55 to 125°C | -55 to 125°C | -55 to 125°C | -55 to 125°C |
| Seal: | Hermetic | Hermetic | Hermetic | Hermetic | Hermetic |
| Altitude: | 50,000 ft. | 50,000 ft. | 50,000 ft. | 50,000 ft. | 50,000 ft. |