

PRODUCT RELEASE

For details, contact:

John Hamilton
Director, Product Marketing
E-mail: john.hamilton@rfmw.com
Phone: (408) 414-1448



188 Martinvale Ave.
San Jose, CA 95119
www.RFMW.com

RFMW Announces SP5T Switches from Peregrine Semiconductor for LMR and Military

6/19/2013 – San Jose, California: RFMW, Ltd. announces design and sales support for two new Peregrine Semiconductor SP5T switches targeting T/R and filter-band switching in Land Mobile Radio (LMR) and Military radio applications where high power handling (17W) is required. Both the [PE42850](#) and [PE42851](#) feature low power consumption of 130 microamperes which helps to extend battery life in mobile applications. The Peregrine [PE42851](#) covers the frequency range of 100 to 1000 MHz while the [PE42850](#) extends the low end frequency to 30 MHz. Both Peregrine switches feature a low, mid-band insertion loss of 0.25 dB, thereby reducing signal attenuation and resulting in less heat dissipation and improved performance. In addition to SP5T, the new switches can be configured as SP3T devices, giving designers the flexibility to use one switch in multiple locations, for multiple purposes throughout the RF signal chain.

The Peregrine Semiconductor [PE42850](#) and [PE42851](#) RF switches are available in a 32-lead, 5 mm x 5 mm QFN package.

	PE42850	PE42851
Type	SP5T	SP5T
Freq. Min (MHz)	30	100
Freq. Max (MHz)	1000	1000
P0.1dB @ 1GHz (dBm)	45.5	45.5
Insertion Loss @ 1GHz (dB)	0.35	0.4
Isolation @ 520MHz (dB)	36	36
Typical Idd (μ A)	130	130
Vdd Range Min (V)	2.3	2.3
Vdd Range Max (V)	5.5	5.5
Package	5x5mm 32L QFN	5x5mm 32L QFN

Samples are available for qualified requirements through RFMW, Ltd. at 1-877-FOR RFMW (367-7369) within North America; or please find your local sales engineer (worldwide) at the [contact page](#) on the [RFMW web site](#).

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About RFMW

RFMW Ltd. is a specialty electronics distribution company focused exclusively on serving customers that require RF and microwave components and semiconductors, as well as component engineering support. The company continues to expand its list of products from selective suppliers with RF/microwave expertise. RFMW deploys a highly experienced, technically skilled team to assist customers with component selection and fulfillment.

To learn more about RFMW, visit their Website at www.rfmw.com, or call us at 1.877.FOR.RFMW (367-7369), or via e-mail at info@rfmw.com.

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