

### Vishay Semiconductors

## **Narrow Band Optical Filter**

### **AVAILABLE FOR PACKAGES**

- Mold
- MiniMold
- Panhead
- Heimdall

### **FEATURES**

- Enhanced suppression of disturbance signals by special filtering
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

# Pb-free



ROHS
COMPLIANT
HALOGEN
FREE
GREEN

### **DESCRIPTION**

The "F" option provides an enhanced narrow band optical filtering function for improved suppression of unwanted optical disturbance

signals. This filter option is available for all Vishay molded IR receivers listed below. Only the typical spectral sensitivity vs. wavelength specification on the corresponding datasheets changes. The new function is shown below:

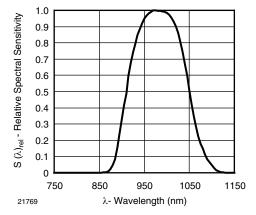
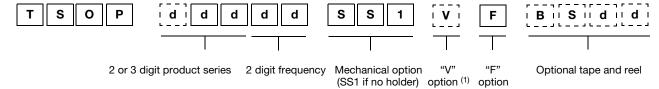


Fig. 1 - Relative Spectral Sensitivity vs. Wavelength

### **ORDERING INFORMATION**



### **Notes**

- d = "digit", please consult the list of available series to create a valid part number.
- (1) As second option possible; see V option datasheet.

Example: TSOP4838SS1F - F version, straight leads in tubes

TSOP4838YA1F - F version with YA1 holder

TSOP2238SS1FBS12 - F version with tape and reel
TSOP6236FTR - F version, SMD side view taped
TSOP32338SS1VF - V and F version molded package

TSOP75438FTR - F version, Heimdall package side view taped

TSOP53338SS1F - F version, straight leads minimold packed in bulk