Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Noritake Standard Acrylic Color Filters

Key Features
- ❑ Inexpensive
- ❑ Large Selection
- ❑ Available w/ 3M Adhesive Tape
- ❑ Excellent Weather Ability & Durability
- ❑ UL Approval for Flammability Std. 94HB
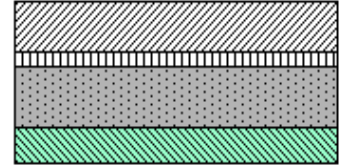- ❑ Optical Quality
- ❑ Non glare Surface

Noritake NTC has developed a series of acrylic color filters for Vacuum Fluorescent Displays (VFDs). These filters are durable, cost-effective, and optimized for VFDs. Five colors in ten sizes are available as standard items. Custom colors, sizes and thickness are welcome.

Main Specifications

Parameter	Value	Condition
Operating Temperature	-30 to +80 °C	
Storage Temperature	-30 to +80 °C	
Reflective Index	1.49	ASTM D-542
Haze	1.9	ASTM D1003
Elongation	5%	ASTM D638
Tensile Rupture Strength	750 kg/ cm²	ASTM D-638
Flexural Strength	1200 kg/ cm²	ASTM D-638
Impact Strength	2.0 kJ/m²	ASTM D-256
Pencil Hardness	2-3H	JIS D0202
Rockwell Hardness	100 M scale	ASTM D-785
Heat Distortion Temperature	110 °C	ASTM D-638
Coefficient of Thermal Expansion	7x10 exp-5 cm/cm/°C	ASTM D-638
Coefficient of Thermal Conductivity	0.17 W/m°C	ASTM C-177
Cutting Tolerance	±0.5mm	Overall Size
Thickness Tolerance	±0.12mm	

Materials and Construction (Cross-Section) of F3 Filter w/o Tape

Removable Protective Film (Clear)

Non Glare Surface Texture

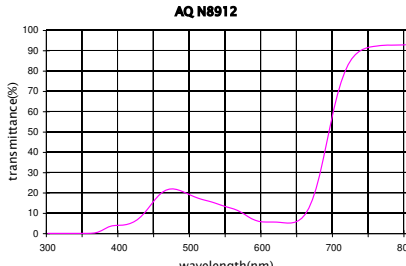Plastic Base (1.0mm Thickness)
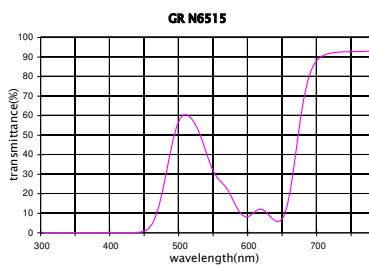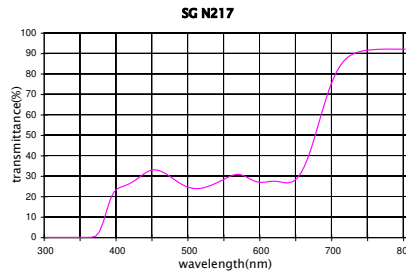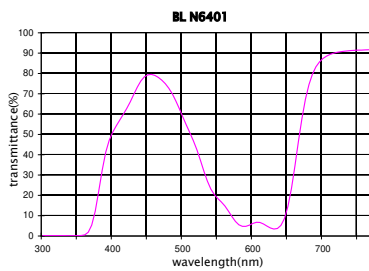
Removable Protective Film (Green)

Standard (Stock) Items

* Transmission Values are based on information we believe to be reliable. It is offered in good faith, but without guarantee.
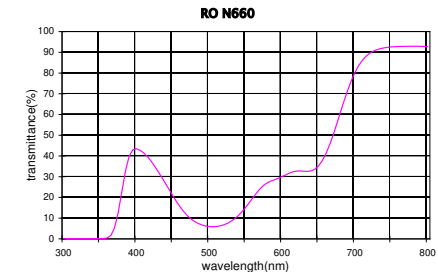
Size Code	Filter Size (mm) Noritake Module P/N.**	No.
	94.0x24.0 CU20025ECPB-W1J CU20025-UW1J	01
	164.0x24.0 CU40025-UW6J	02
	GU280x16G-7xxx	03
	75.0x22.0 CU16025ECPB-W6J GU112x16G-7xxx	04
	83.0x24.0 GU128x32D-7xxx	05
	95.0x22.0 GU140x16G-7xxx	06
	129.0x31.0 CU20029ECPB-W1J GU140x16J-7xxx	07
	95.0x34.0 CU20045-UW5J GU140x32F-7xxx	08
	109.0x24.0 CU24025ECPB-W1J	09
	84.0x41.0 GU128x64D-7xxx	10
	144.0x42.0 GU256x64D-7xxx/3xxx	11
	115.0x60.0 GU256x128C-3xxx	12
	109.0x31.0 GU256x64C-3xxx/7xxx	15
	97.0x26.0 CU20027-Y CU2043-3	

Filter Part Number

	Standard Colors				Prefix	Suffix												
Color No.	Color	Color Code	Transmission*			01	02	03	04	05	06	07	08	09	10	11	12	15
01	Blue	BL N6401	21%		F3-	01-01	01-02	01-03	01-04	01-05	01-06	01-07	01-08	01-09	01-10	01-11	01-12	01-15
05	Smoke Gray	SG N217	31%			05-01	05-02	05-03	05-04	05-05	05-06	05-07	05-08	05-09	05-10	05-11	05-12	05-15
12	Green	GR N6515	29%			12-01	12-02	12-03	12-04	12-05	12-06	12-07	12-08	12-09	12-10	12-11	12-12	12-15
16	Aqua	AQ N8912	16%			16-01	16-02	16-03	16-04	16-05	16-06	16-07	16-08	16-09	16-10	16-11	16-12	16-15
17	Rose	RO N660	28%			17-01	17-02	17-03	17-04	17-05	17-06	17-07	17-08	17-09	17-10	17-11	17-12	17-15

The Nomenclature NTC Standard filter w/ Tape
F3- Color No.-Size Code-T
For example, filter F3-01-01-T is blue color with size 94x24mm & Tape.

F3 type filters have 1.0mm thickness as default and other thickness are available. Please contact with sales department for details.

BL N6401

SG N217

GR N6515

AQ N8912

RO N660

Note: 1. Colors shown are approximate colors of filters
2. Noritake selected a popular module as a sample in the spec; the filter may be suited to other modules.
3. Data just for reference

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(800)779-5846   www.noritake-elec.com/colorFilter.html

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